

Reduction in anti-PN response

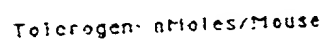


FIGURE 1

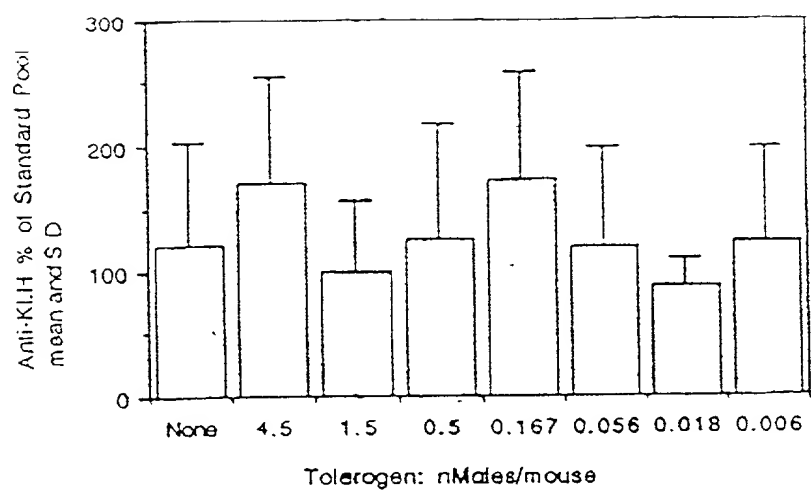


FIGURE 2

005337-05663450

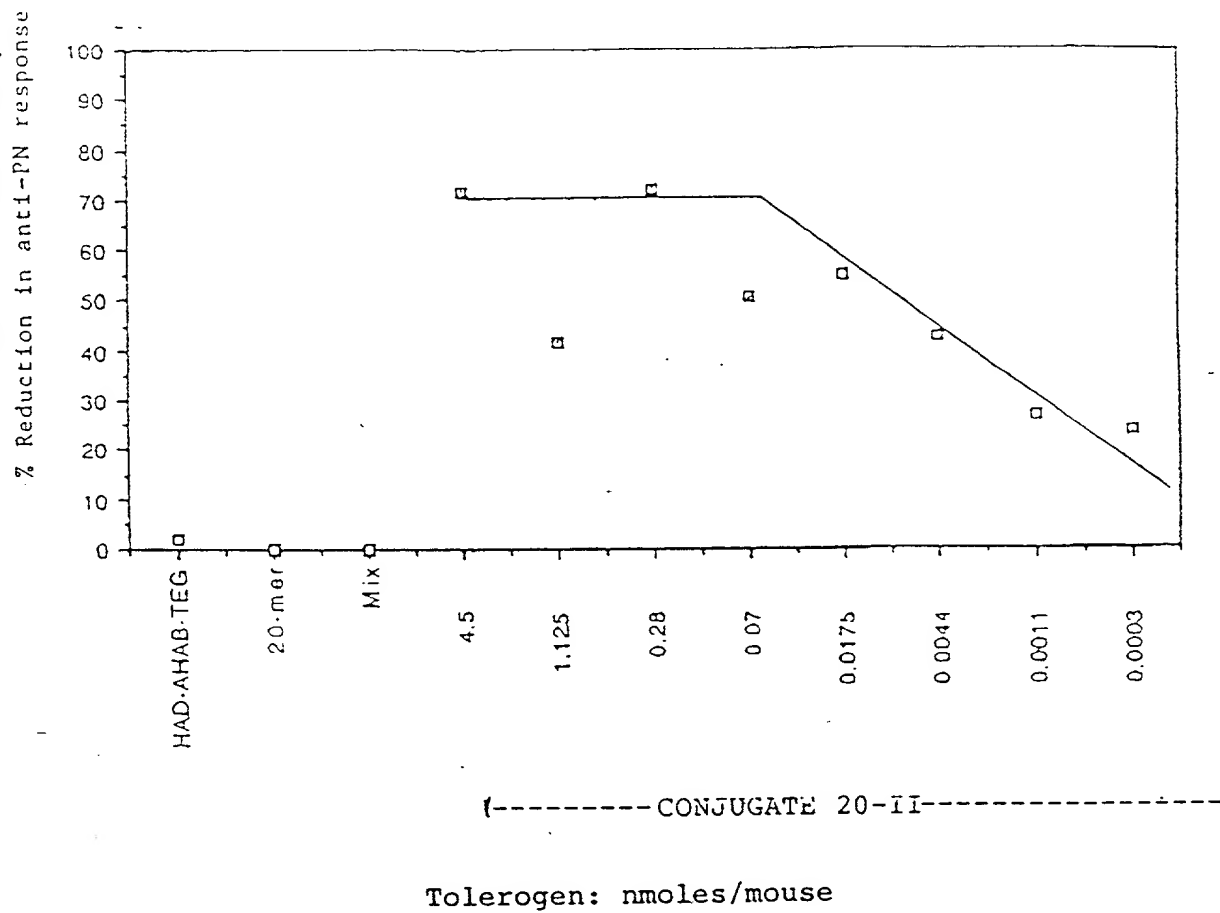


FIGURE 4

005797-00000000

% Reduction in anti-PN response

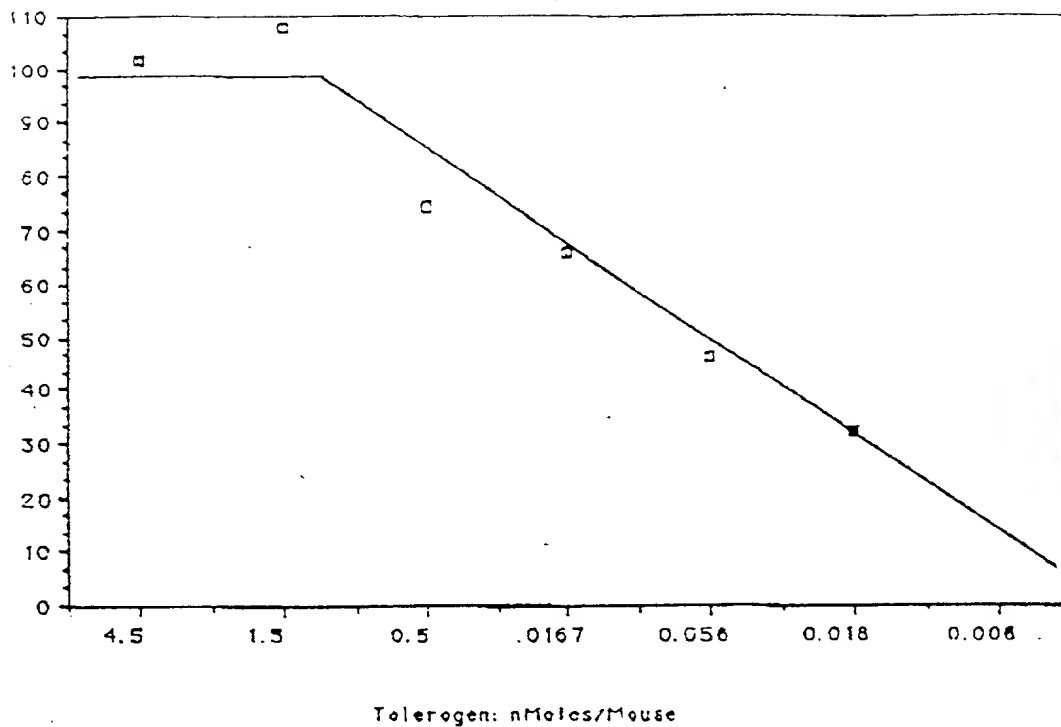
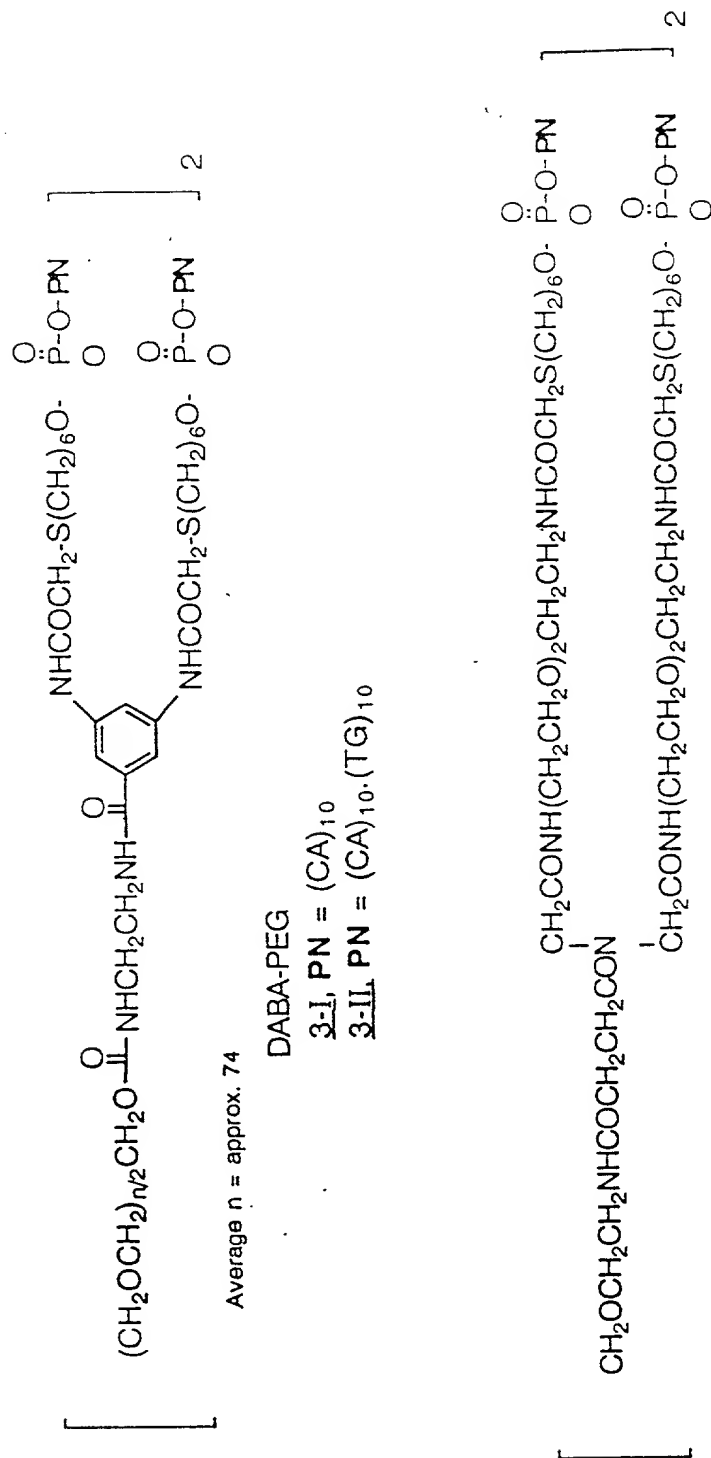


FIGURE 5



BAHA_{ox}-EDDA

- 11-I, PN = (CA)₁₀
11-II, PN = (CA)₁₀·(TG)₁₀
11-IV, PN = (CA)₈·(TG)₈
11-VI, PN = (CA)₁₂·(TG)₁₂
11-VIII, PN = (CA)₁₆·(TG)₁₆

FIGURE 6A

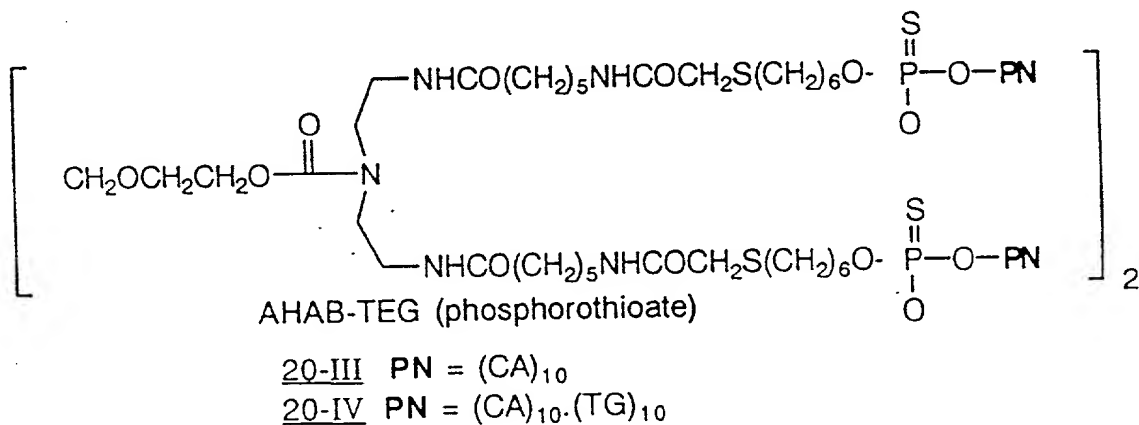
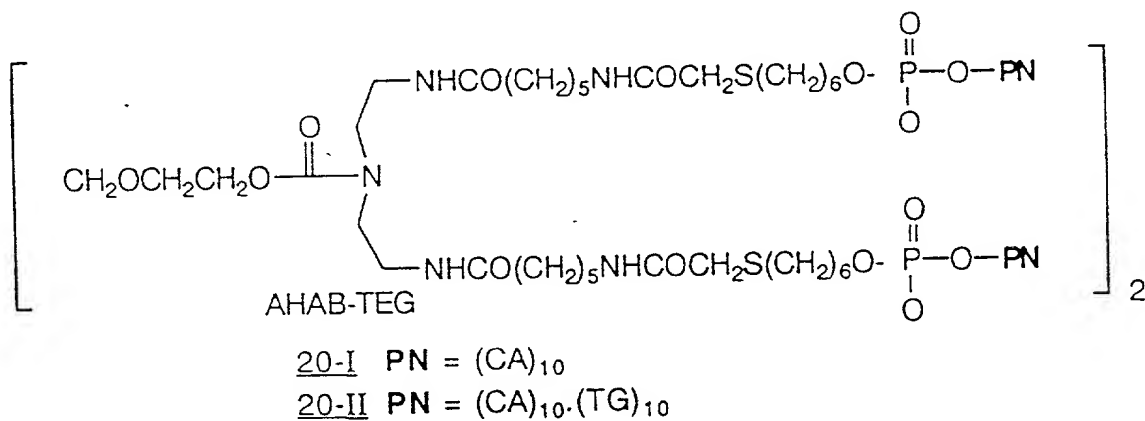
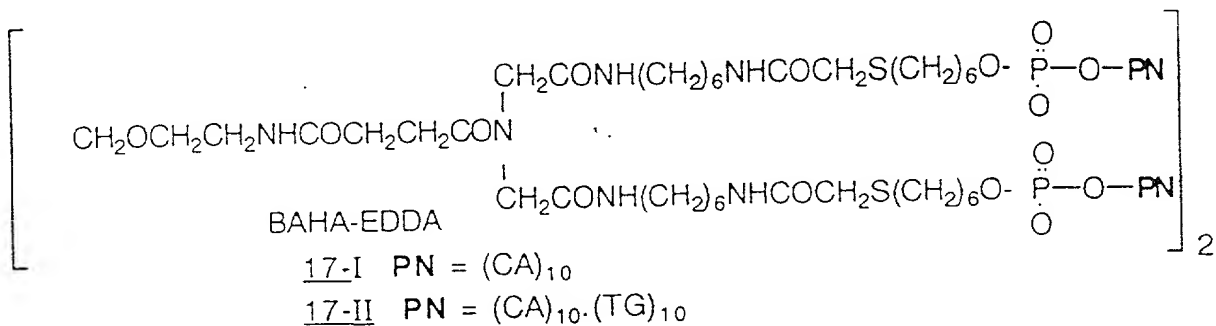


FIGURE 6B

$$\begin{array}{c} \text{HO(CH}_2)_6\text{SCH}_2\text{COHN(CH}_2)_5\text{CONH} \\ \text{HO(CH}_2)_6\text{SCH}_2\text{COHN(CH}_2)_5\text{CONH} \end{array} \left[\text{N} \begin{array}{c} \text{O} \\ \parallel \\ \text{---} \end{array} \text{O(CH}_2\text{CH}_2\text{O)}_2\text{CH}_2\text{CH}_2\text{O} \begin{array}{c} \text{O} \\ \parallel \\ \text{---} \end{array} \text{N} \right] \begin{array}{c} \text{NHCO(CH}_2)_5\text{NHCOCH}_2\text{S(CH}_2)_4\text{OH} \\ \text{NHCO(CH}_2)_5\text{NHCOCH}_2\text{S(CH}_2)_6\text{OH} \end{array}$$

FIGURE 7

005297" 08883460

T Cell Proliferation Induced by Mellitin Peptides

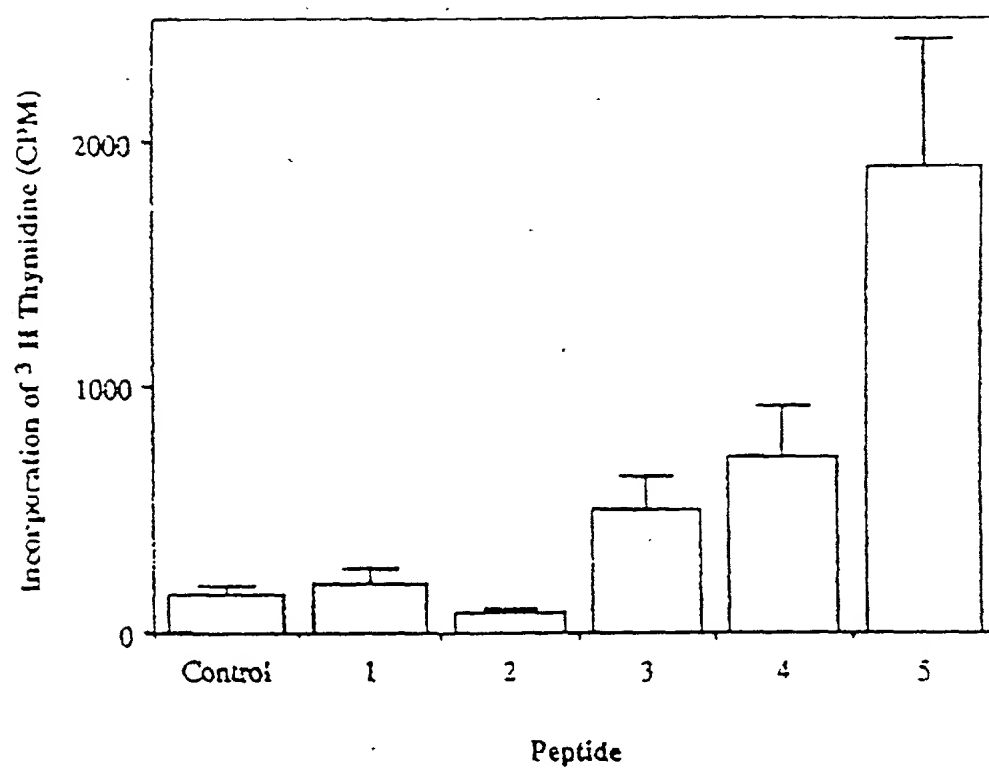


FIGURE 8

O.D. 450 nm 005227 03022460

IgG serum circulating Ab to melittin peptide 2

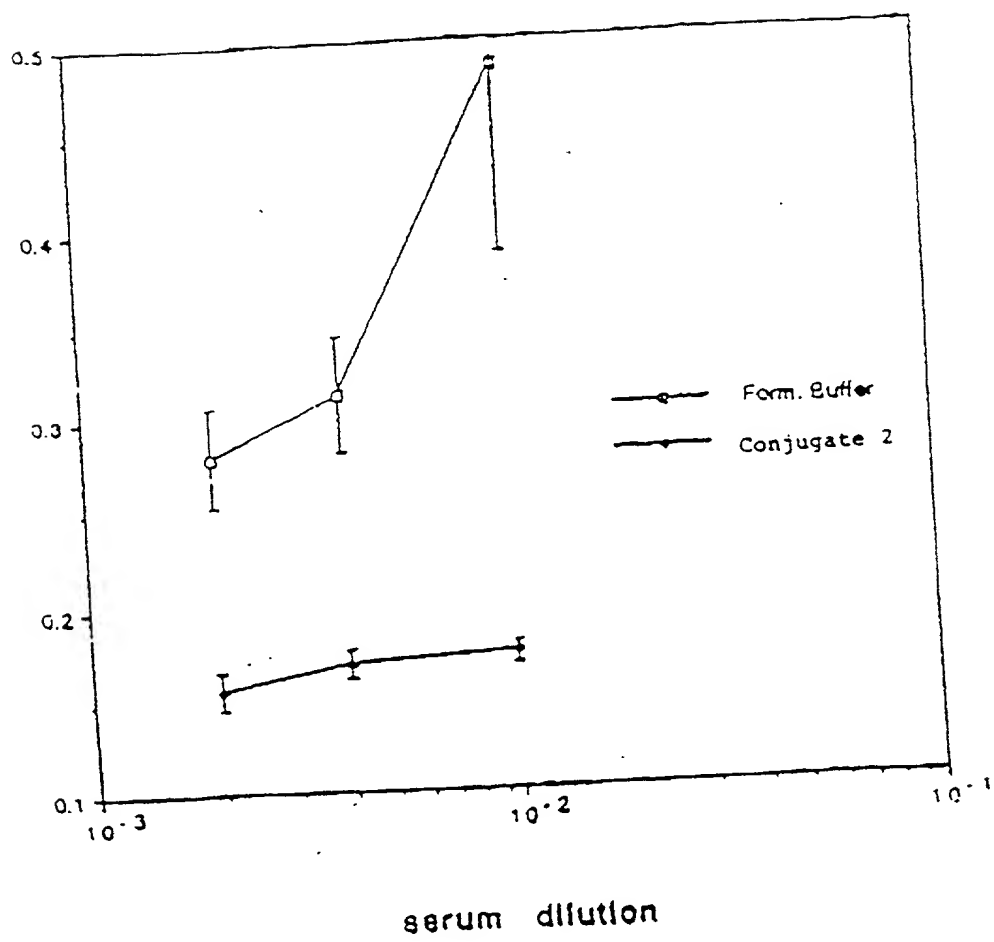


FIGURE 9

005397-036450

O.D. 450 nm

IgG serum circulating levels to Melittin

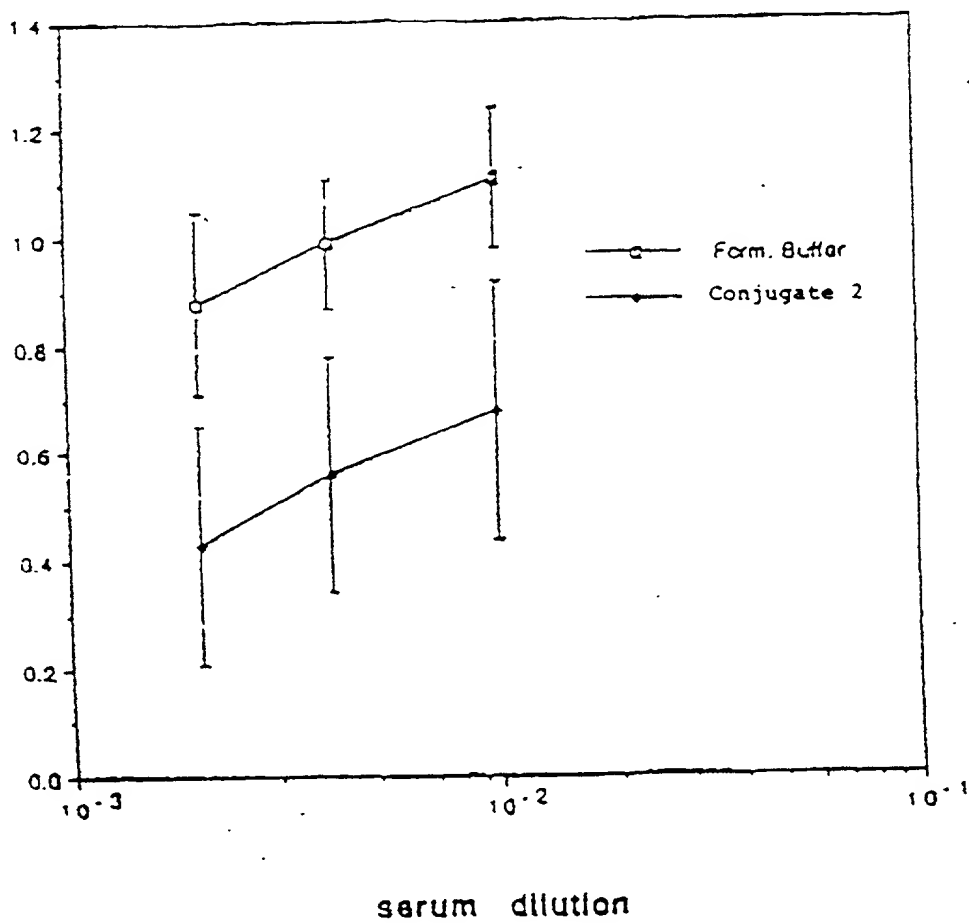


FIGURE 10

006291T "080822Z50

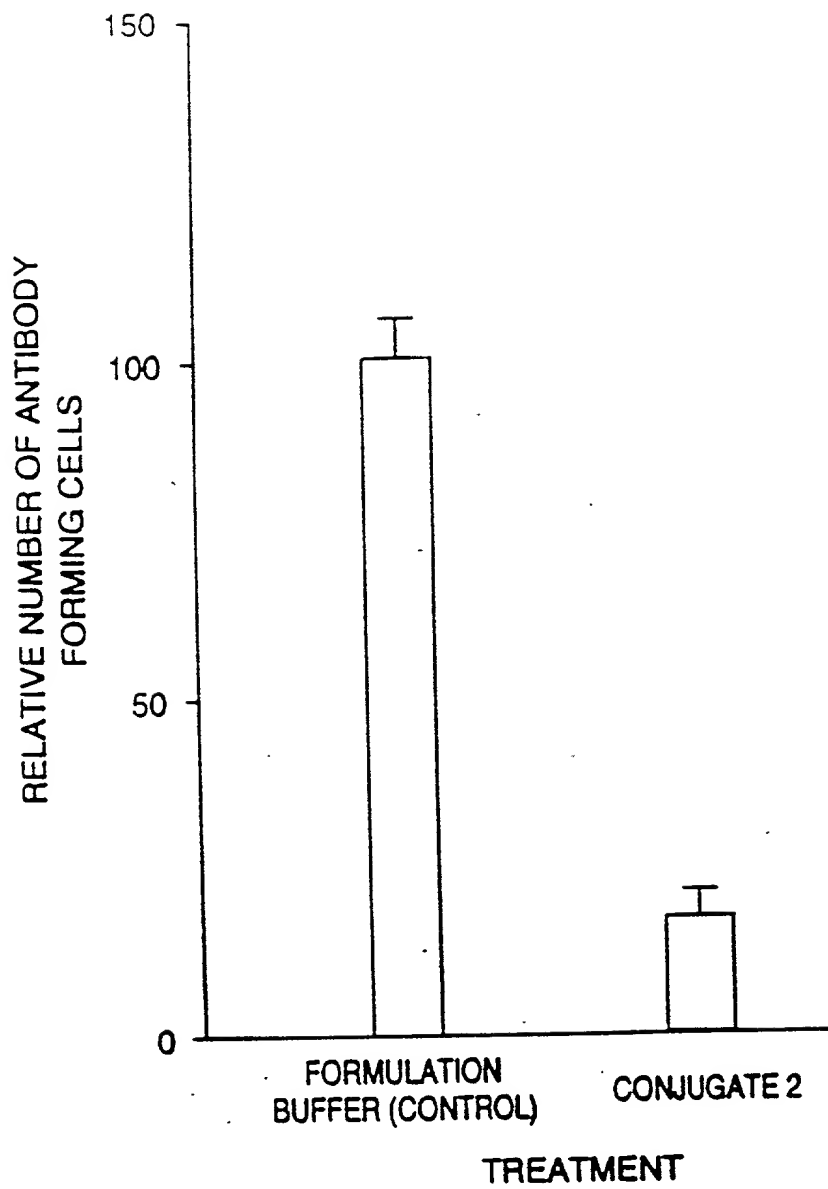


FIGURE 11

O.D. 450 nm

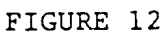
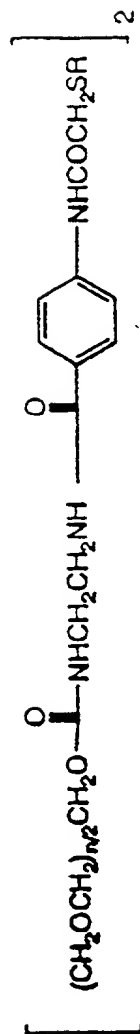


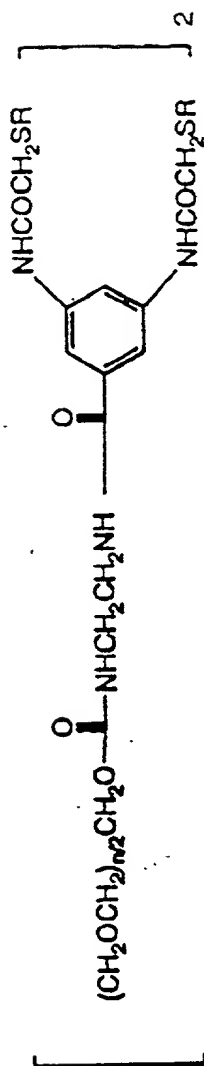
FIGURE 12

Melittin Peptide Conjugates



Melittin Conjugate # 1, R = H₂N-Trp-Ile-Lys-Arg-Gln-Gln-Lys-Cys-Gly-CO₂H

Average n = approx. 74

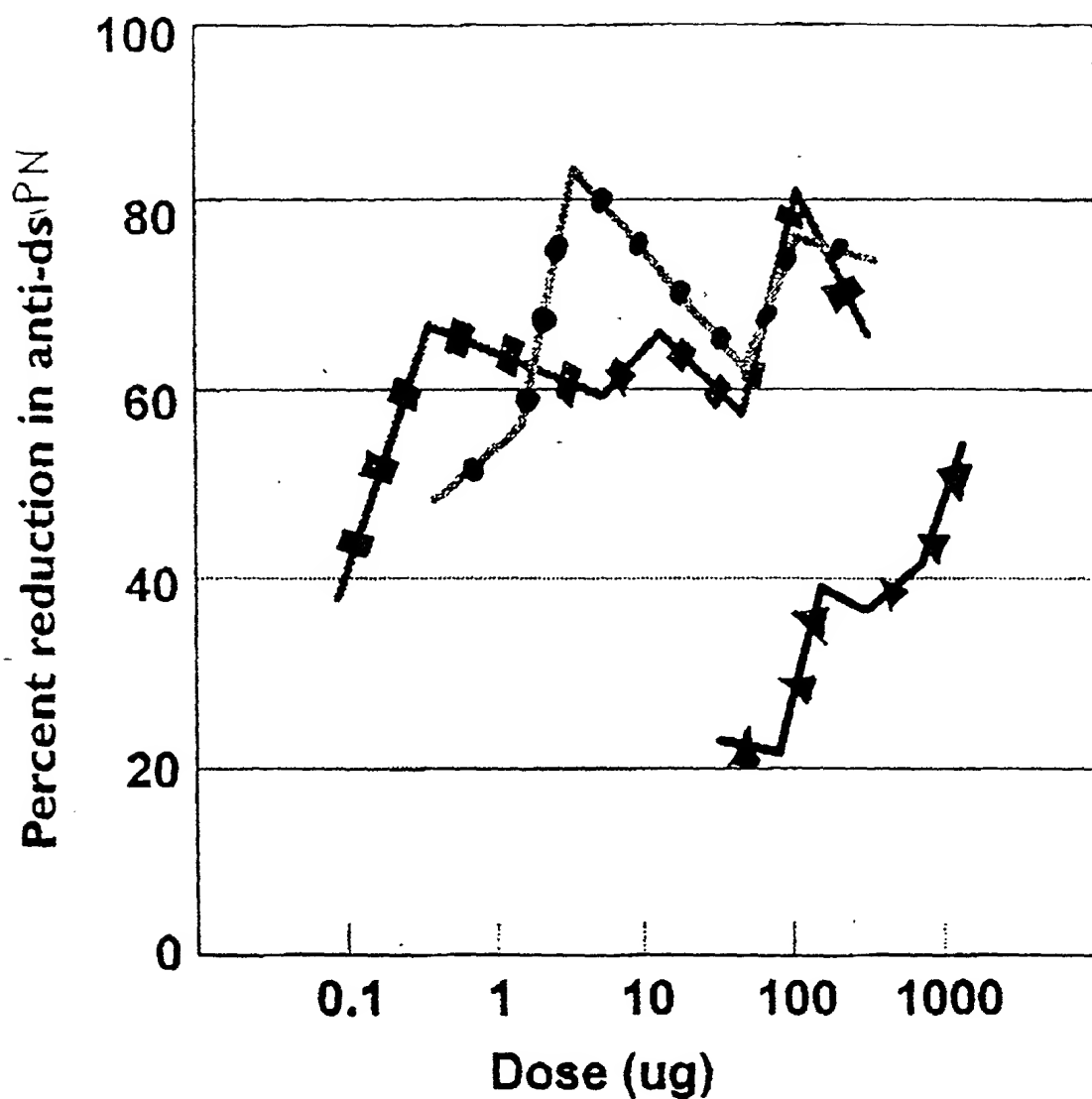


Melittin Conjugate # 2, R = H₂N-Cys-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Gly-CO₂H
 Melittin Conjugate # 3, R = H₂N-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Lys-Cys-Gly-CO₂H
 Melittin Conjugate # 4, R = H₂N-Cys-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Gly-CO₂H
 Melittin Conjugate # 5, R = (H₂N-Trp-Ile-Lys-Arg-Gln-Gln)₂-Lys-Cys-Gly-CO₂H

Melittin peptides attached through sulfur atom on added cysteine, average n = approx. 74

FIGURE 13

Inhibition of Anti-ds^{PN} by LJP- 249 and LJP- 105



● LJP- 249 A ■ LJP- 249 B ▲ LJP- 105

FIGURE 14

Treatment of Male BXSB Mice with LJP394

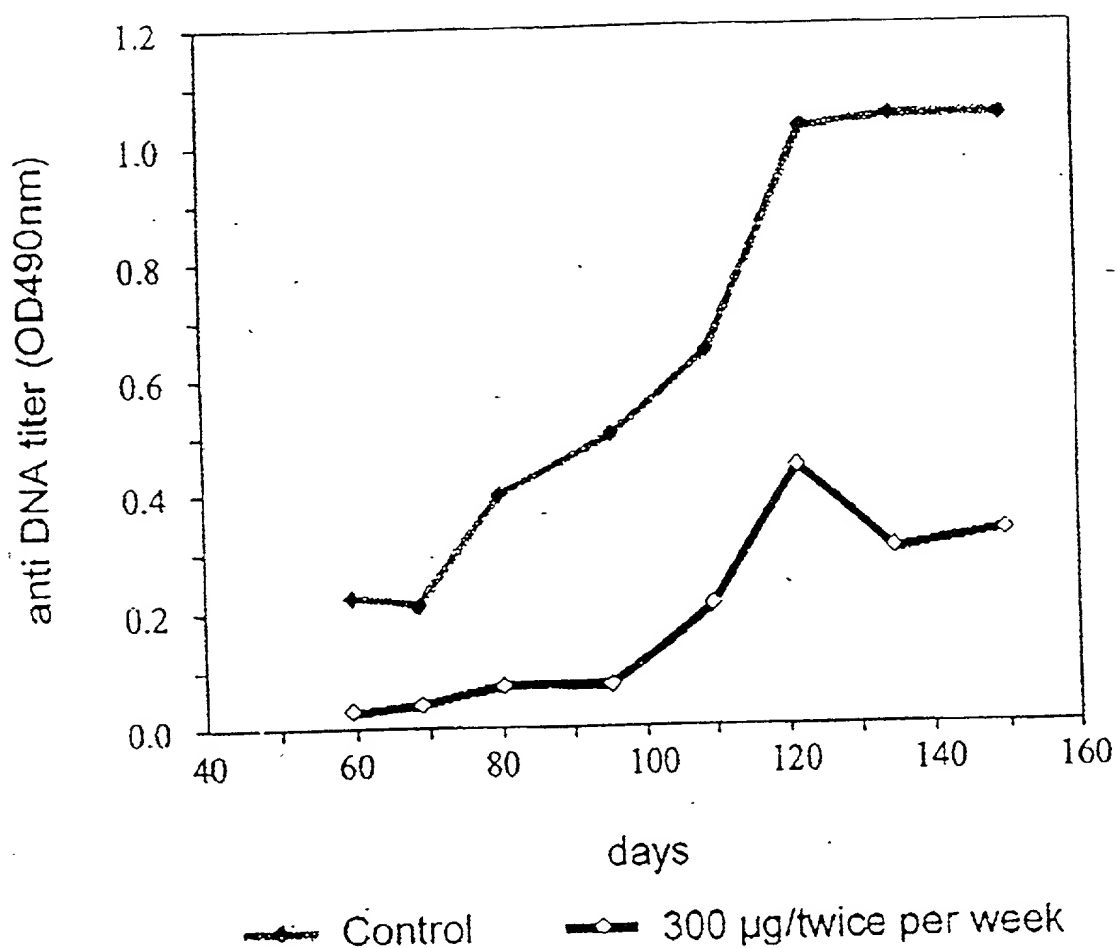


FIGURE 15